EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L35	0	((brightness$3 or luminosit$3 or luminance) and (texel or textur$3) and pixel and image and interface and (blend$3 or convolv$3 or merg$3 or mix$3) and ((display or project$3 or screen) near3 (surface or shape))).CLM.	US-PGPUB	OR	ON	2007/09/07 09:11

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L34	68	(L32 or L33) and ((textur$3 or texel) same (brightness$3 or luminosit$3 or luminance))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 09:09
L33	210	(L7 or L8 or L9 or L10 or L11) and (image same (display or project$3) same (brightness$3 or luminosit$3 or luminance)) and ((target or display or screen) near3 (surface or shape))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:56
L12	5	(L7 or L8 or L9 or L10 or L11) and (image same (display or project$3) same surface same (brightness$3 or luminosit$3 or luminance)) and (GUI or "graphical user interface")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:56
L32	176	(L1 or L2 or L3 or L4 or L5) and (image same (display or project$3) same (brightness$3 or luminosit$3 or luminance)) and ((target or display or screen) near3 (surface or shape))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:55
L31	78	345/584.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:55
L30	41	345/585.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:55
L6	28	(L1 or L2 or L3 or L4 or L5) and (image same (display or project$3) same surface same (brightness$3 or luminosit$3 or luminance)) and (GUI or "graphical user interface")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:55
S70	46	345/640.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:54
S59	74	345/584.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:54

EAST Search History

S17	35	345/585.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:54
L29	53	345/640.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:54
S44	0	(S42 or S43) and (((brightness$3 or luminosit$3 or luminance) near7 (texel or textur$3)) same ((shape or geometry or surface) near3 (display$3 or project$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:53
S42	147	345/1.2.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:53
L27	0	(L24 or L25) and (((brightness$3 or luminosit$3 or luminance) near7 (texel or textur$3)) and ((shape or geometry or surface) near3 (display$3 or project$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:53
L26	0	(L24 or L25) and (((brightness$3 or luminosit$3 or luminance) near7 (texel or textur$3)) same ((shape or geometry or surface) near3 (display$3 or project$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:53
L25	359	345/1.3.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:53
L24	161	345/1.2.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:53
L23	161	345/1.2.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:53

S40	5	(S35 or S36 or S37 or S38 or S39) and (image same (display or project$3) same surface same (brightness$3 or luminosit$3 or luminance)) and (GUI or "graphical user interface")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:52
S24	1	(S22 or S23) and (image same (display or project$3) same surface same (brightness$3 or luminosit$3 or luminance)) and (GUI or "graphical user interface")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:52
S21	109	345/647.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:52
S20	5	(S11 or S12 or S13 or S15 or S18) and (image same (display or project$3) same surface same (brightness$3 or luminosit$3 or luminance)) and (GUI or "graphical user interface")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:52
L16	137	345/647.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:52
L15	1	(L13 or L14) and (image same (display or project$3) same surface same (brightness$3 or luminosit$3 or luminance)) and (GUI or "graphical user interface")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:52
L14	1341	382/274.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:52
L13	1891	382/154.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:52
L11	408	345/634.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:52

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L10	237	345/20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:52
L9	1378	345/690.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:52
L8	1432	345/629.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:52
L7	538	345/611.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:52
S10	19	(S5 or S6 or S7 or S8 or S9) and (image same (display or project$3) same surface same (brightness$3 or luminosit$3 or luminance)) and (GUI or "graphical user interface")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/07 08:51
L5	1504	345/589.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/07 08:51
L4	1144	345/582.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/07 08:51
L3	831	345/581.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/07 08:51
L2	650	345/428.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/07 08:51
L1	911	345/426.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/07 08:51

EAST Search History

S90	2	348/746.ccls. and ((luminance or luminosit$3 or intensit$3) same (texel or textur$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 12:04
S89	54	348/746.ccls. and (luminance or luminosit$3 or intensit$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 12:04
S88	144	348/746.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 11:41
S87	8	S86 and ((text$3 or texel) same (intensit$3 or luminance or luminosit$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 11:41
S86	46	S84 and ("345"/$.ccls. or "382"/$.ccls. or "348"/$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 11:31
S84	138	"display surface" same ((edit$3 or modify$3 or chang$3) near5 (shape or dimension or curvature))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 11:20
S85	127	"target surface" same ((edit$3 or modify$3 or chang$3) near5 (shape or dimension or curvature))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 11:19
S83	70	S82 and ((blend$3 or convolv$3 or merg$3 or mix$3) near7 (pixel or texel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 11:19
S82	297	S80 and (textur$3 same (intensit$3 or luminosit$3 or luminance))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 11:06
S81	860	S80 and (textur$3 and (intensit$3 or luminosit$3 or luminance))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 11:06

EAST Search History

S80	10938	("345"/$.ccls. or "382"/$.ccls. or "348"/$.ccls.) and ((display or project$3 or screen) near5 (shape or dimension or curvature)) and ((edit$3 or modify$3 or chang$3) near5 shape or (dimension or curvature))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 11:05
S79	15541	("345"/$.ccls. or "382"/$.ccls. or "348"/$.ccls.) and ((display or project$3 or screen) near5 (shape or dimensions or curvature))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 11:04
S78	12762	("345"/$.ccls. or "382"/$.ccls. or "348"/$.ccls.) and ((display or project$3) near5 (shape or dimensions or curvature))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 11:04
S77	1634	("345"/$.ccls. or "382"/$.ccls. or "348"/$.ccls.) and ((image same (display or project$3) same (surface or target) near5 (shape or shaping or shaped)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 11:03
S33	23	(S28 or S29 or S30 or S31 or S32) and (image same (display or project$3) same surface same (brightness$3 or luminosit$3 or luminance)) and (GUI or "graphical user interface")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/06 11:01
S76	85	clark-richard.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 11:00
S75	2	morey-david-r.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 11:00
S27	79	clark-richard.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 11:00
S26	2	morey-david-r.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 11:00

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Terms used: <u>texel</u> <u>pixel</u> <u>image</u> <u>display surface</u> <u>user interface</u> <u>shape</u> <u>luminance</u> <u>luminosity</u> <u>luminosities</u> <u>brightness</u>

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1 <u>Course 25: The mobile 3D ecosystem: The mobile 3D ecosystem</u>   ▬

August 2007 **ACM SIGGRAPH 2007 courses SIGGRAPH '07**

Publisher: ACM Press

Full text available: 📄 <u>pdf(11.98 MB)</u>   Additional Information: <u>full citation</u>
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2 <u>Dynamically reparameterized light fields</u>   ▬

Aaron Isaksen, Leonard McMillan, Steven J. Gortler

July 2000 **Proceedings of the 27th annual conference on Computer graphics and interactive techniques SIGGRAPH '00**

Publisher: ACM Press/Addison-Wesley Publishing Co.

Full text available: 📄 <u>pdf(2.82 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

This research further develops the light field and lumigraph image-based rendering methods and extends their utility. We present alternate parameterizations that permit 1) interactive rendering of moderately sampled light fields of scenes with significant, unknown depth variation and 2) low-cost, passive autostereoscopic viewing. Using a dynamic reparameterization, these techniques can be used to interactively render photographic effects such as variable focus and depth-of-field within a li ...

Keywords: autostereoscopic displays, depth of field, frequency domain analysis, image-based rendering, light field, lumigraph, multitexturing, ray space analysis, synthetic aperture

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Please review the Quick Tips below or for more information see the Search Tips.

Quick Tips

- Enter your search terms in lower case with a space between the terms.

        sales offices

    You can also enter a full question or concept in plain language.

        Where are the sales offices?

- Capitalize proper nouns to search for specific people, places, or products.

        John Colter, Netscape Navigator

- Enclose a phrase in double quotes to search for that exact phrase.

        "museum of natural history" "museum of modern art"

- Narrow your searches by using a + if a search term must appear on a page.

        museum +art

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Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

        museum +"natural history" dinosaur -Chicago

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Quick Tips

- Enter your search terms in lower case with a space between the terms.

      sales offices

  You can also enter a full question or concept in plain language.

      Where are the sales offices?

- Capitalize proper nouns to search for specific people, places, or products.

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- Enclose a phrase in double quotes to search for that exact phrase.

      "museum of natural history" "museum of modern art"

- Narrow your searches by using a **+** if a search term must appear on a page.

      museum +art

- Exclude pages by using a **-** if a search term must not appear on a page.

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Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

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Terms used: <u>texel</u> <u>pixel</u> <u>image</u> <u>display</u> <u>target surface</u> <u>user interface</u> <u>luminance</u> <u>luminosity</u> <u>luminosities</u> <u>brightness</u>

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1 <u>GPGPU: general purpose computation on graphics hardware</u>   ◼

David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, Aaron Lefohn
August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**
Publisher: ACM Press
Full text available: 📄 <u>pdf(63.03 MB)</u>   Additional Information: <u>full citation, abstract, citings</u>

The graphics processor (GPU) on today's commodity video cards has evolved into an extremely powerful and flexible processor. The latest graphics architectures provide tremendous memory bandwidth and computational horsepower, with fully programmable vertex and pixel processing units that support vector operations up to full IEEE floating point precision. High level languages have emerged for graphics hardware, making this computational power accessible. Architecturally, GPUs are highly parallel s ...

2 <u>Course 25: The mobile 3D ecosystem: The mobile 3D ecosystem</u>   ◼

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#3   (((luminosity <and> texel <and> screen <and> shape)) <in>metadata)

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| display surface shape | AND ▼ |

AND

| texture texturing texel | OR ▼ |

AND

| luminance luminosity brightness luminosities | OR ▼ |

AND

Date of publication of application --- e.g.19980401 - 19980405

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No.	Publication No.	Title
1.	10 - 208067(1998)	IMAGE GENERATOR AND IMAGE GENERATING METHOD
2.	10 - 083153(1998)	DISPLAY DEVICE
3.	08 - 030211(1996)	INDICATOR WITH WIDENED ANGLE OF FIELD